ABSTRACT

This project is based on the evaluation of the LTE network in the south-west region of Nigeria. The LTE broadband evolved from an earlier Third Generation Partnership Project system which is known as the Universal Mobile Telecommunication System (UMTS), which evolved from the Global System for Mobile Communications (GSM). The main goal of the LTE is to provide a high data rate with low latency and a packet optimized radio access technology that supports deployment of bandwidth. The network architecture of this system has been designed with the aim to support a packet-switched traffic with seamless mobility and great quality of service. The reason for the development of this broadband is that LTE has allowed improvements in regards to the efficiency spectrally and also increasing the bandwidth. The main aim of this project is to evaluate the network strength of LTE in the south-west region of Nigeria. Questionnaires were administered among users in these areas randomly. Thereafter, data were analyzed and research questions answered from the analyzed results. The results showed that 9Mobile and MTN has the best quality of service of LTE network in south-west, Nigeria, also that the LTE network has not really been active in states like Osun and Ekiti.